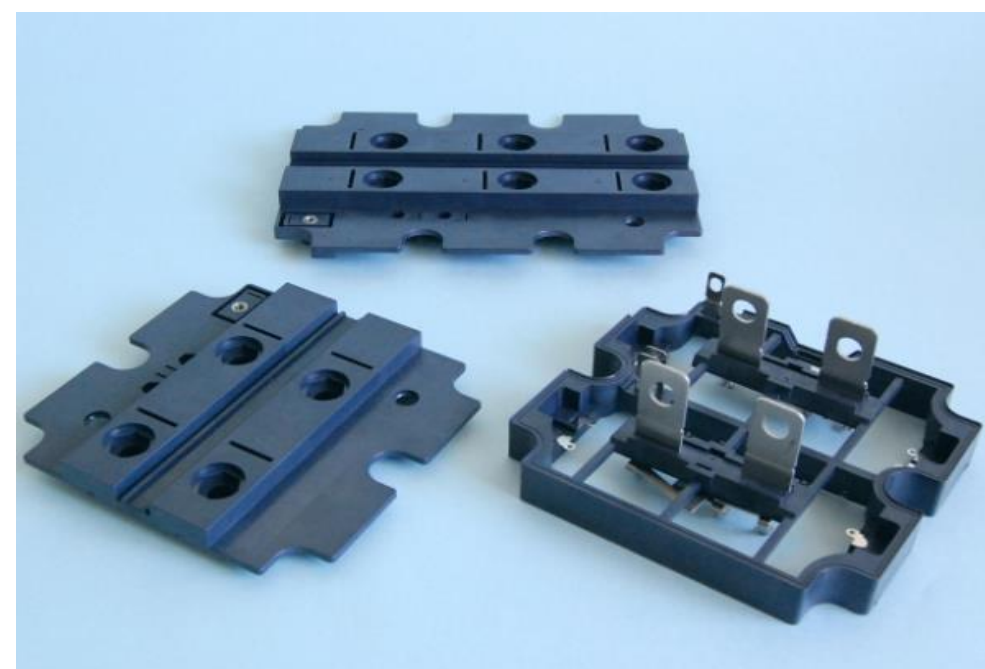


Tracking - resistant PPS Applications



Power Module

Rated Voltage (V)	Rated Current (Amp)	Market Field	Applications
600 ~ 3600	≥ 15	Telecommunication	Emergency power systems
		Automotive	Inverters for EV, HEV
		Railway	Inverters
		Energy	Wind-power generation
≤ 600	5 ~ 15	Industry	Motors, Elevators
		Home	Refrigerators, Microwave ovens
		Automotive	Automotive air conditioners
		Industry	Motors

Benefits

Creepage distance reduction of insulation parts

Voltage Rating (V)	Minimum creepage distance of insulation (mm)	
	Tracking-resistant PPS	Normal PPS
500	6	8
1000	12	16
1600	20	25

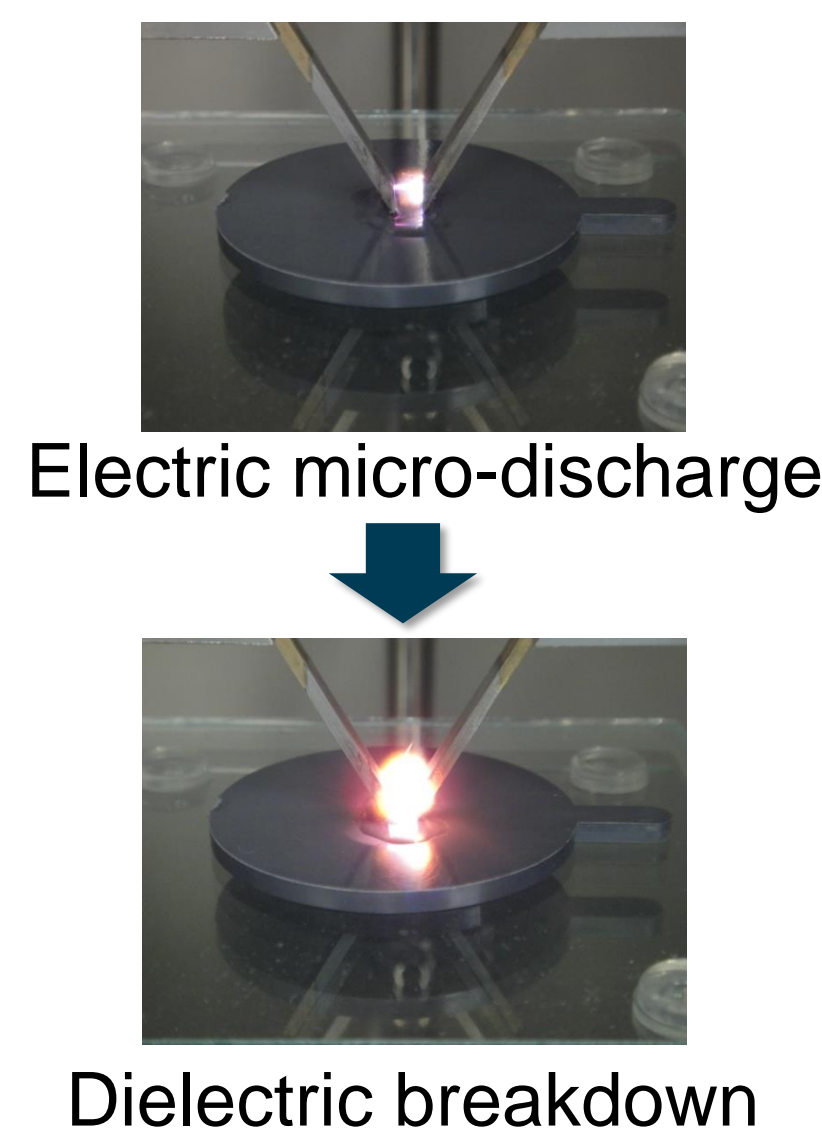
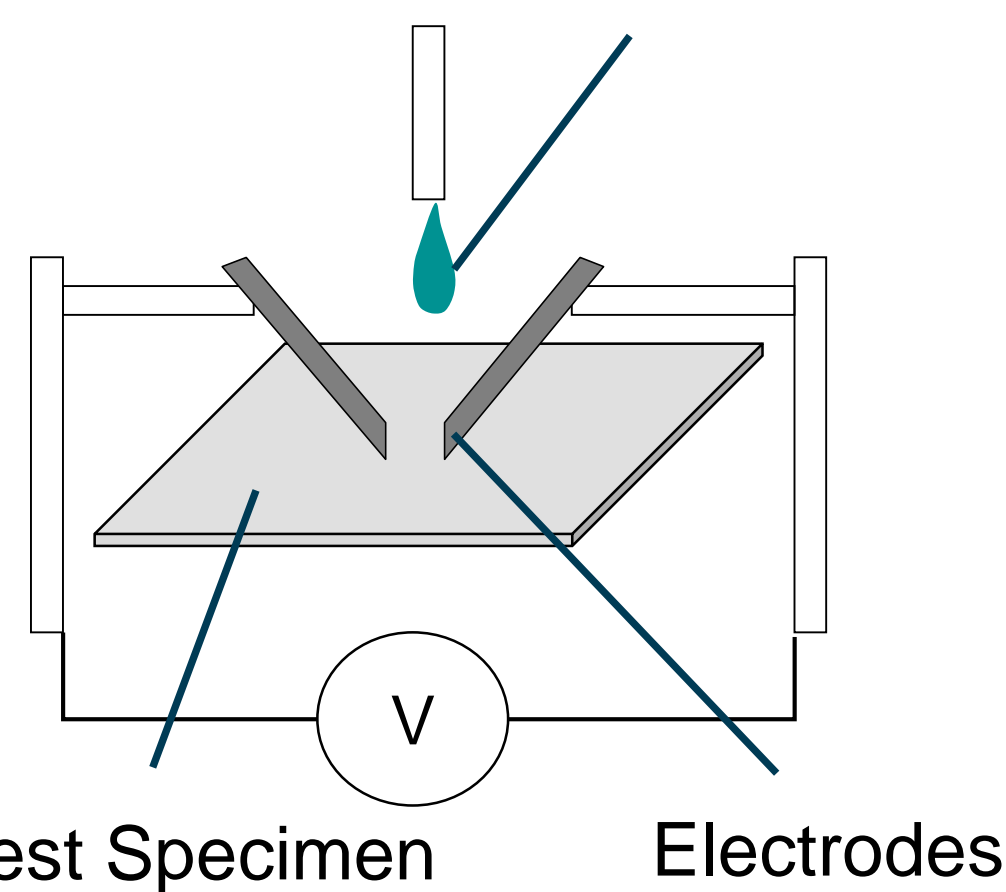
PLC*	CTI (V)	PPS
0	CTI ≥ 600	Tracking-resistant PPS
1	600 > CTI ≥ 400	
2	400 > CTI ≥ 250	Normal PPS
3	250 > CTI ≥ 175	
4	175 > CTI ≥ 100	
5	100 > CTI ≥ 0	

* PLC: Performance level category

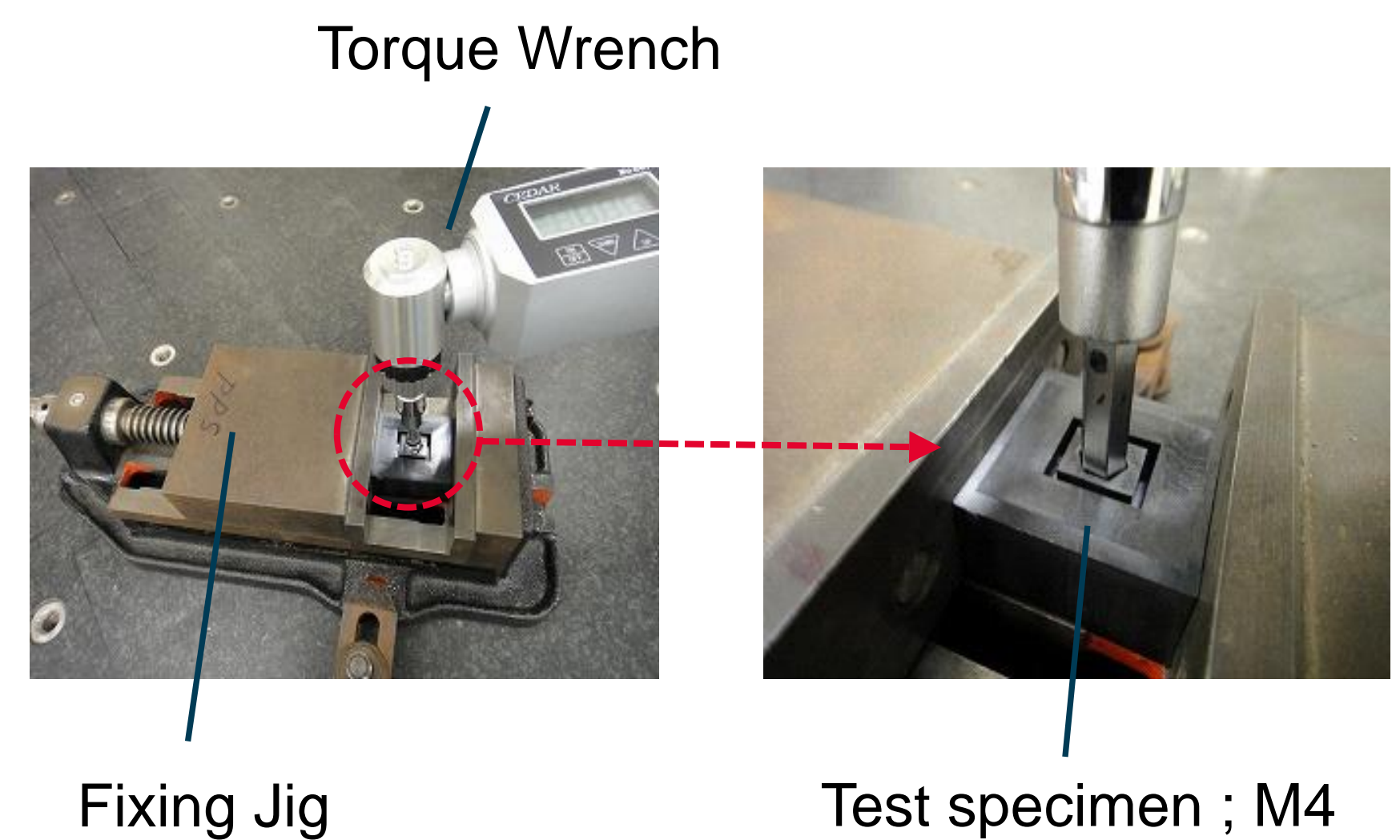
Measurement

CTI ; IEC 60112

Aqueous electrolytic solution (0.1% NH₄Cl aq.)



Bolt tightening torque



Data sheet

Test	Unit	Method	Tosoh Susteel® TR-65-12	Tosoh Susteel® TR-60-E2	Normal PPS	PA6T
			>PPS-(GF+MD)65<	>PPS-I-(GF+MD)60<	>PPS-(GF+MD)65<	>PA6T-GF35<
CTI	V	IEC 60112	650	600	200	600
Bolt tightening torque	N·m	TOSOH	1.6	2.4	2.1	-
Tensile elongation	%	ISO 527	0.5	2.1	1.0	2.3
Water absorption	%	ISO 62	0.03	0.03	0.02	0.4
Mold shrinkage (MD/TD)	%	TOSOH	0.3 / 0.4	0.3 / 0.6	0.3 / 0.6	0.3 / 0.7

All properties shown in this brochure are the typical values of the material. It is not guaranteed value. All properties can not guarantee qualities of your product.